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L14	1	"09/989367"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/21 18:12
L15	1	volterra with (non adj linear) with (channel with estimation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/21 18:22
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L17	164	training with channel with model	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/21 18:12
L18	11720	training with channel with modelwith comparing with adjusting	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/21 18:12
L19	0	training with channel with model with comparing with adjusting	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/21 18:12
L20	0	training with channel with model with volterra	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/21 18:12
L21	0	training with channel with model with non adj linear	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/21 18:12

L22	1	training with channel with model and volterra	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/21 18:12
L23	6	volterra and hadamard	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/21 18:12
L24	82	dfe with adjust	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/21 18:12
L25	3	dfe with adjust with compar\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/21 18:12
L26	5	("5311545"   "5499268"   "5517524"   "5761247"   "5812602").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/21 18:12
L27	14	o/e with equal\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/21 18:12
L28	0	o/e with equal\$5 with DFE	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/21 18:12
L29	0	o/e same equal\$5 same DFE	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/21 18:12
L30	0	o/e same equal\$5 and DFE	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/21 18:12

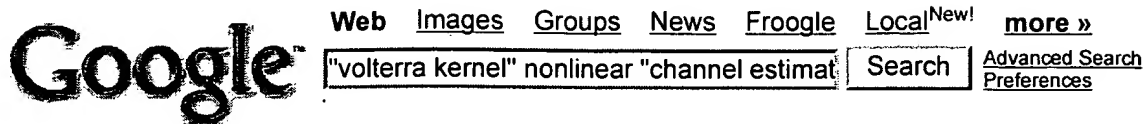
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L44	6	34 and 43	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/21 18:56
L45	2253	sands.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/21 18:55
L46	122489	non adj linear	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/21 18:56

L47	15	45 and 46	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/21 18:56
L48	1022	375/233	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/21 18:57
L49	4	34 and 48	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/21 18:57
L50	867	375/348	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/21 18:57
L51	1	34 and 50	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/21 18:57
S1	1	"09/989367"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/11 12:56
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S4	164	training with channel with model	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/21 10:59
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S6	0	training with channel with model with comparing with adjusting	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/21 10:59
S7	0	training with channel with model with volterra	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/21 11:00
S8	0	training with channel with model with non adj linear	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/21 11:00
S9	1	training with channel with model and volterra	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/21 11:03
S10	6	volterra and hadamard	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/21 12:33
S11	82	dfe with adjust	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/21 12:33

S12	3	dfe with adjust with compar\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/21 12:33
S13	5	("5311545"   "5499268"   "5517524"   "5761247"   "5812602").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/21 12:34
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S15	0	o/e with equali\$5 with DFE	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/21 14:49
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S19	223	o/e and equali\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/21 14:52
S20	23	o/e same equali\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/21 17:07

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



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**Giannakis, G.B. / Serpedin<sup>1</sup>, E.**, *Signal Processing*, Mar 2001

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...linear and **nonlinear channel** models. Figure...second order **Volterra Kernel** for an 850...diagram of a **nonlinear** optical **channel** equalizer that employs a **Volterra Kernel** estimator...one or two **Volterra Kernels**. That is...the optical **channels** of the present...embodiments the **nonlinearity** is simple...  
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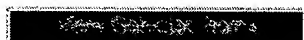
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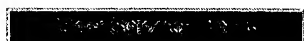
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